

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

MISSOURI CLEAN WATER COMMISSION



MISSOURI STATE OPERATING PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

Permit No.: MO-0121771

Owner: Brenntag Mid-South
Address: 1405 Highway 136 West, PO Box 20, Henderson, KY 42420

Continuing Authority: Same as above
Address: Same as above

Facility Name: Brenntag Mid-South
Address: 6301 NE Birmingham Road, Kansas City, MO 64117

Legal Description: SE ¼, SW ¼, Sec. 9, T50N, R32W, Clay County

Receiving Stream: Unnamed Tributary to Missouri River (U)
First Classified Stream and ID: Missouri River (P)(00356)
USGS Basin & Sub-watershed No.: (10300101-040002)

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

FACILITY DESCRIPTION

Outfall #001 - stormwater - SIC #5169
Design flow is 0.24 MGD based on a 24 hour, 10 year storm event.

Outfall #002 - stormwater and boiler blowdown - SIC #5169
Design flow is 0.13 MGD.

Outfall #003 - stormwater - SIC #5169
Design flow is 0.104 MGD.

Outfall #004 - stormwater - SIC #5169
Design flow is 0.182 MGD.

Outfall #005 - stormwater and cooling water - SIC #5169
Design flow is 0.79 MGD.

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

January 9, 2004
Effective Date


Stephen M. Mahford, Director, Department of Natural Resources
Executive Secretary, Clean Water Commission

January 8, 2009
Expiration Date
MO 780-0041 (10-93)

James R. Macy, Director, Kansas City Regional Office

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS					PAGE NUMBER 2 of 6	
					PERMIT NUMBER MO-0121771	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Outfalls #001 - #005</u>						
Flow	MGD	*		*	once/month**	24 hr. estimate
Oil & Grease	mg/L	15.0		10.0	once/month**	grab
Chemical Oxygen Demand ₅	mg/L	120		90	once/month**	grab
Chemicals currently stored outside or in open or unsecured containers during the last 3 years (See Sampling Requirements)	mg/L	*		*	once/month**	grab
pH - Units	SU	***		***	once/month**	grab
Settleable Solids	mL/L/hr	2.5		2.0	once/month**	grab
Precipitation	inches	*		*	once/weekday****	grab
Color*****		*		*	once/month**	grab
MONITORING REPORTS SHALL BE SUBMITTED MONTHLY; THE FIRST REPORT IS DUE <u>February 28, 2004</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

MO 780-0010 (8/91)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

- * Monitoring requirement only.
- ** Permit shall collect and analyze one sample per month, taken during a rainfall which exceeds 0.1 inch and results in a discharge, and also at any time at the request of the department.
- *** pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.0-9.0 pH units.
- **** Once each weekday means: Monday, Tuesday, Wednesday, Thursday, and Friday, except National Holidays.
- ***** Description of the visual appearance of the effluent. For example: clear, green, black, etc.

APPLICABILITY

1. This permit only pertains to discharges of storm water.
2. All final permit-related decisions are appealable to the Clean Water Commission in accordance with 10 CSR 20-6.020 (5).

REQUIREMENTS

Note: These requirements do not supersede nor remove liability for compliance with county and other local ordinances.

1. Report as no-discharge when a discharge does not occur during the report period.
2. General Criteria. The following water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
 - (a) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
 - (b) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
 - (c) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
 - (d) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
 - (e) There shall be no significant human health hazard from incidental contact with the water;
 - (f) There shall be no acute toxicity to livestock or wildlife watering;
 - (g) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
 - (h) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.
3. This permit may be reopened and modified, or alternatively revoked and reissued, to:
 - (a) Comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a) (2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
 - (1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
 - (2) controls any pollutant not limited in the permit.
 - (b) Incorporate new or modified effluent limitations or other conditions, if the result of a waste load allocation study, toxicity test or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.
 - (c) Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri's list of waters of the state not fully achieving the state's water quality standards, also called the 303(d) list.The permit as modified or reissued under this paragraph shall also contain any other requirements of the Clean Water Act then applicable.
4. Outfalls must be marked in field.
5. Water that has accumulated in secondary containment areas must be examined for possible contamination and tested if necessary. When the presence of contaminants is indicated, water shall be treated before release or taken to a permitted treatment facility.

6. Collection facilities shall be provided on site, and arrangement made for proper disposal of waste products, including but not limited to, petroleum waste products and solvents.

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REQUIREMENTS (continued)

7. Permittee shall adhere to the following Best Management Practices:
- (a) Prevent the spillage or loss of fluids, oil, grease, fuel, etc. from vehicle maintenance, equipment cleaning, or warehousing activities and thereby prevent the contamination of storm water from these substances.
 - (b) Provide collection facilities and arrange for proper disposal of waste products including but not limited to petroleum waste products, and solvents.
 - (c) Store all paint, solvents, petroleum products and petroleum waste products (except fuels), and storage containers (such as drums, cans, or cartons) so that these materials are not exposed to storm water or provide other prescribed BMP's such as plastic lids and/or portable spill pans to prevent the commingling of storm water with container contents. Commingled water may not be discharged under this permit. Provide spill prevention, control, and/or management sufficient to prevent any spills of these pollutants from entering waters of the state. Any containment system used to implement this requirement shall be constructed of materials compatible with the substances contained and shall also prevent the contamination of groundwater.
 - (d) Provide good housekeeping practices on the site to keep trash from entry into waters of the state.
 - (e) An individual shall be designated by the permittee as responsible for environmental matters. Staff of the permitted facility shall inspect, on workdays, any structures that function to prevent pollution of storm water or to remove pollutants to water and of the facility in general to ensure that any Best Management Practices are continually implemented and effective.
 - (f) Train all management and employees with responsibilities involving the housekeeping of industrial and/or maintenance areas or the handling and storage of raw and/or finished materials which may be exposed to stormwater. Proof of training shall be submitted upon request.
8. All fueling facilities present on the site shall adhere to applicable federal and state regulations concerning underground storage, above ground storage, and dispensers, including spill prevention, control and counter measures.
9. Substances regulated by federal law under the Resource Conservation and Recovery Act (RCRA) or the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) that are transported, stored, or used for maintenance, cleaning or repair shall be managed according to the provisions of RCRA and CERCLA.
10. Changes in Discharges of Toxic Substances

The permittee shall notify the Director as soon as it knows or has reason to believe:

- (a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"
 - (1) One hundred micrograms per liter (100 µg/L);
 - (2) Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,5 dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
 - (3) Five (5) times the maximum concentration value reported for the pollutant in the permit application;
 - (4) The level established in Part A of the permit by the Director.
- (b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant, which was not reported in the permit application.

SAMPLING REQUIREMENTS

Discharges of stormwater from Secondary and Operational containment areas:

1. The permittee shall collect and analyze one representative sample per month taken during a rainfall event, which exceeds 0.1 inch and results in a discharge. The sample shall be analyzed for chemicals listed in 40 CFR 122 Appendix D (see Attachment 1) which are currently or have been stored or disposed of outside in the past three years in open or unsecured containers, loaded or unloaded, or treated and exposed to storm water. A secure container shall be deemed to be a container with a lid which has never been opened since it was originally sealed.
2. Prior to discharge, permittee shall collect a sample of each batch of water from any secondary containment area and operational containment area that is used for bulk chemical handling systems. If the containment area is constructed of concrete, the discharge samples shall be analyzed for the bulk chemicals stored or handled in the respective area within the last year prior to discharge. If the containment area is of soil and clays or other permeable materials, the discharge samples shall be analyzed for the bulk chemicals stored or handled in the respective area within the last three years prior to discharge. If the discharge sample results exceed the discharge limitations specified in the permit, a discharge is not authorized and to do so would be a violation.
3. Other soluble bulk materials that are not listed in 40 CFR 122 Appendix D (see attachment 1) that are actually stored outside and exposed to storm water must also be monitored. If permittee has questions concerning which parameters to sample and test for, contact the Water Pollution Control Program.
4. If the analysis of four consecutive samples, taken at rain events separated by 72 hours of dry weather, do not show contamination from a discontinued or no-longer-used product that has been used at any time in the previous year if the containment area is of concrete or in the previous three years if the containment is of soil and clays or other permeable material, then the permittee is no longer required to test for that chemical. If use of the product is renewed, then the requirements for sampling would then be in effect.
5. The Department may require additional sampling and reporting as a result of illegal discharge, compliance issues, compliant investigation, or other evidence of off-site contamination. If such an action is needed, the Department will specify in writing any additional sampling requirements, including such information as location, extent, and parameters.

EFFLUENT LIMITATIONS

See the attached schedule and Attachment 1. See Attachment 1 for pesticides listed in Water Quality Standards.

REPORTING OF EFFLUENT VIOLATIONS

If any of the sampling results from any of the outfalls show any violation of the permit discharge limitations, written notification shall be made to the Department of Natural Resources within five (5) days of notification of analytical results. Notification shall indicate the date(s) of sample collection, the analytical results, and permit number, and

shall include a statement concerning the revisions or modifications in management practices that are being implemented to address the violation of the limitations that occurred.

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REPORTING OF EFFLUENT VIOLATIONS (continued)

After a violation has been reported, a sample of storm water runoff resulting from the next rainfall greater than 0.1 inch shall be collected at outfall(s) for which the violation occurred. Analytical results of this sample shall be submitted in writing to the Department of Natural Resources (this paragraph supersedes Standard Conditions, Part I, Section B. 2.A. Noncompliance Notification).

RECORDS RETENTION AND REPORTING

Monitoring reports shall be submitted within 28 days after the end of each quarter. All sampling data shall be maintained by the permittee for a period of five (5) years and shall be supplied to the Department of Natural Resources upon written request (supersedes Part I. Standard Conditions, Section A. 7. Records Retention). A copy of all of the sampling data must be submitted with an application for reissuance of this permit.

TERMINATIONS OF PERMIT

This permit may be terminated when activities covered by this permit have ceased and no significant materials are stored in such a way as to come into contact with stormwater, or if a transfer of ownership of the facility and its activities has been made. If such a termination is sought, the permittee shall submit written notification requesting termination of the permit.

Attachment 1

EFFLUENT LIMITATIONS FOR BULK PESTICIDES

For individual pesticides listed in the water-quality standards (10 CSR 20-7.031), the concentration at the monitoring point shall not exceed the most stringent of the aquatic-life protection, human health-fish consumption, drinking water supply criteria, or health advisory levels. If the quantification limit is higher than this value for individual pesticides, the quantification limit shall not be exceeded.

Other potentially toxic substances for which sufficient toxicity data are not available may not be released to classified waters of the state until safe levels are demonstrated through adequate bioassay studies [10 CSR 20-7.031(4)]. Other bulk pesticides not listed below and other potentially toxic substances for which safe levels are demonstrated through adequate bioassay studies may be released to waters of the state, provided that the concentration at the monitoring point shall not exceed the demonstrated safe levels.

<u>PESTICIDE</u>	<u>LIMIT</u>	<u>SOURCE</u>
Demeton	3 ppb	QL*
Endosulfan	0.5	QL*
Guthion	5	QL*
Malathion	5	QL*
Parathion	1	QL*
2,4-D	70	DWSC
2,4,5-TP	50	DWSC
Chlorpyrifos	5**	QL*
Alachlor	10**	DWSC
Atrazine	15**	DWSC
Carbofuran	40	DWSC
Dalapon	200	DWSC
Dibromochloropropane	5**	QL*
Dinoseb	35**	DWSC
Diquat	20	DWSC
Endothall	100	DWSC
Ethylene dibromide	5**	QL*
Oxamyl (vydate)	200	DWSC
Picloram	500	DWSC
Simazine	20**	DWSC
Endrin	0.5	QL*
Aldrin	0.5	QL*
Dieldrin	0.5	QL*
Heptachlor	0.5	QL*
Heptachlor Epoxide	0.5	QL*
Methoxychlor	2	QL*
Mirex	2	QL*
Toxaphene	5	QL*
Lindane	0.5	QL*
A,B,G-BHC	0.5	QL*
Chlordane	1	QL*
Ametryn	60	DWSC
Baygon	3	DWSC
Bentazon	20	DWSC
Bis-2-chloroisopropyl ether	300	DWSC
Bromacil	90	DWSC
Bromochloromethane	90	DWSC
Bromomethane	10	DWSC
Butylate	350	DWSC

Carbaryl
Carboxin

700
700

DWSC
DWSC

EFFLUENT LIMITATIONS FOR BULK PESTICIDES (continued)

<u>PESTICIDE</u>	<u>LIMIT</u>	<u>SOURCE</u>
Chloramben	100	DWSC
o-chlorotoluene	100	DWSC
p-chlorotoluene	100	DWSC
DCPA (dacthal)	4000	DWSC
Diaznon	0.6	DWSC
Dicamba	200	DWSC
Diisopropyl methylphosphonate	600	DWSC
Dimethyl methylphosphonate	100	DWSC
1,3-dinitrobenzene	1	DWSC
Diphenamid	200	DWSC
Diphenylamine	200	DWSC
Disulfoton	0.3	DWSC
1,4-dithiane	80	DWSC
Diuron	10	DWSC
Fenamiphos	2	DWSC
Fluometron	90	DWSC
Fluorotrichloromethane	2000	DWSC
Fonofos	10	DWSC
Hexazinone	200	DWSC
Maleic hydrazide	4000	DWSC
MCPA	10	DWSC
Methyl parathion	2	DWSC
Metolachlor	70	DWSC
Metribuzin	100	DWSC
Naphthalene	20	DWSC
Nitroguanidine	700	DWSC
p-nitrophenol	60	DWSC
Paraquat	30	DWSC
Pronamide	50	DWSC
Propachlor	90	DWSC
Propazine	10	DWSC
Propham	100	DWSC
2,4,5-T	70	DWSC
Tebuthiuron	500	DWSC
Terbacil	90	DWSC
Terbufos	0.9	DWSC
1,1,1,2-Tetrachloroethane	70	DWSC
1,2,3-trichloropropane	40	DWSC
Trifluralin	5	DWSC
Trinitroglycerol	5	DWSC
Trinitrotoluene	2	DWSC

* Quantification limit.

** Allowance made for 5:1 dilution ratio.

QL = Quantification limit, as per the Department's Environmental Services Program, 1991.

DWSC = WQS drinking water supply criteria, for protection of surface water supplies and ground water (these are taken from federal MCLs).